



DEPARTMENT OF CIVIL ENGINEERING  
FACULTY OF ENGINEERING AND APPLIED SCIENCE

**CIVL 222 NUMERICAL METHODS FOR CIVIL ENGINEERS W 5**

**TEACHING POSITION AVAILABLE**

**Academic Year 2018/19**

**Posting Date:** June 1, 2018

**Closing Date:** June 14, 2018

Start date: January 1, 2019 and end date: April 30, 2019

1 position/1 section available

The Department of Civil Engineering in the Faculty of Engineering and Applied Science at Queen's University invites applications from suitably qualified candidates interested in teaching **the following undergraduate course** in the 2018-19 session.

**Qualifications:**

Minimum of one year's study at the level of MASC (or equivalent research or industry design experience). Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills, and be capable of working as a member of a teaching team. Registration as a Professional Engineer, or eligibility to acquire registration in Canada, is an essential qualification. Prior teaching experience in project based engineering courses and lecture-based engineering courses would be an asset. Open to Teaching Fellows or Term Adjuncts.

**Teaching Requirement:**

**CIVL 222 Numerical Methods for Civil Engineers W 5**

Lecture: 4

Lab: 1

Tutorial: 0

This course introduces the basics of numerical analysis and the use of computer software (MATLAB) for civil engineering analysis. Error analysis, numerical differentiation and integration, root finding, derivation and numerical solution of partial differential equations using finite difference methods, and optimization are among the topics covered. All problems emphasize engineering applications.

Academic Units:

Mathematics 45

Natural Science 0

Complementary Studies 0

Engineering Science 15

Engineering Design 0

**Definitions:**

Program and Course Symbols and Codes can be found at

<http://calendar.engineering.queensu.ca/content.php?catoid=6&navoid=155>

The above advertised course will be taught on campus. Enrolment is expected to be around 100 students in **CIVL 222**. The successful applicant will have **100 percent** responsibility for this course. Winter term classes begin January 7, 2019 and end April 5, 2019 while the examination period ends on April 27, 2019.

The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal people, persons with disabilities, and LGBTQ persons. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

Term Adjuncts at Queen's University are governed by the *Collective Agreement* between the Queen's University Faculty Association (QUFA) and the University, which is posted at:

<http://www.queensu.ca/facultyrelations/faculty-librarians-and-archivists/queens-qufa-collective-agreement>.

Teaching Fellows at Queen's University are governed by the *Collective Agreement for Teaching Assistants and Teaching Fellows between PSAC Local 901 and Queen's University*. Remuneration will be in accordance with the *Collective Agreement*, and appointments are subject to funding or enrolment criteria.

<http://queensu.ca/facultyrelations/teaching-assistants-and-fellows/collective-agreement>.

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/ permanent residents of Canada. Applicants need not identify their country of origin or citizenship, however, all applications must include one of the following statements: I am a Canadian citizen/permanent resident of Canada; OR, I am not a Canadian citizen/permanent resident of Canada. Applications that do not include this information will be deemed incomplete.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact: Susan Palo [susan.palo@queensu.ca](mailto:susan.palo@queensu.ca); 613-533-6000 ex: 74228.

Applications should include a complete and current curriculum vitae, a statement of teaching experience, the names and contact details of two referees who may be contacted, and any other relevant materials the candidate wishes to submit for consideration. Applications can be submitted to the Civil Engineering Appointments Committee at the address below, or by e-mail to Susan Palo, [susan.palo@queensu.ca](mailto:susan.palo@queensu.ca).

Applications should arrive no later than **June 14, 2018**.

Civil Engineering Appointments Committee  
c/o S. Palo  
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Queen's University  
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